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White Sands Missile Range, New Mexico 88002	34								
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20. ABSTRACT (Continue on reverse side if necessary and identity by block number)									
Meteorological data gathered for the launching of 002, Round No. V-135/MD-2, presented in tabular fo	the 19304D MLRS, Missile No.								

CONTENTS

INTRODUC	TION	PAGE
DISCUSSI	ON	1
MAP		. 2
TABLES		
1.	Surface Observation taken at 1200 MST at LC-33	. 3
2.	Anemometer-Measured Wind Speed and Direction, LC-33 Fixed Pole, taken at 1200 MST	. 4
3.	Anemometer-Measured Wind Speed and Direction, Tower Levels 1, 2, 3, and 4, taken at 1200 MST	. 4
4.	Launch and Impact Area T-Time Pilot-Balloon Measured Wind Data	5
5,	Aiming and T-Time Computer Met Messages	6
6.	WSD Significant Level Data at 0900 MST	. 1
7.	WSD Upper Air Data at 0900 MST	. 8
8.	WSD Mandatory Levels at 0900 MST	- 16
9.	LC-37 Significant Level Data at 1000 MST	11
10.	LC-37 Upper Air Data at 1000 MST	13
11.	LC-37 Mandatory Levels at 1000 MST	- 13
12.	WSD Significant Level Data at 1140 MST	- 20
13.	WSD Upper Air Data at 1140 MST	. 21
14.	WSD Mandatory Levels at 1140 MST	23
15.	LC-37 Significant Level Data at 1215 MST	24
16.	IC-37 Upper Air Data at 1215 MST	26
17,	LC-37 Mandatory Levels at 1215 MST.	30
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INTRODUCTION

19304D MLRS , Missile Number 002 , Round Number V-135/MD-2
was launched from LC-33 , White Sands Missile Range (WSMR), New
Mexico, at 1200 MST on 20 April 1981 . The scheduled launch time
was 1200 MST .
DISCUSSION
Meseorological data were recorded and reduced by the White bonds meseorological
Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New
Maxico. The data were obtained by the following mathods
1. Observations
a. Sunface
(1) Standard surface observations to include pressure, temps:
at $n \in ({}^{\circ}C)$, relative humidity, dew point (${}^{\circ}C$), density $(g_{M/m}^{3})$, wind direction
and speed, and cloud cover were made at the $\frac{EC-33}{}$ mot site at T-0
minutes.
(2) Monitor of wind speed and direction from one apendmeter was
pro sed as to launch control coon.
b. Opper Air
(1) Low level wind data be a chitage ! from RAFTS for pile?
511. S. A.T. THIP1
10-33 / 834 Nick 2 KM
(b) Air structure data (rowinsende) were religious at the fetro

SITE ANT TIME

WSD 0900 797 LC-37 1000 MST WSD 1140 MST LC-37 1215 MST

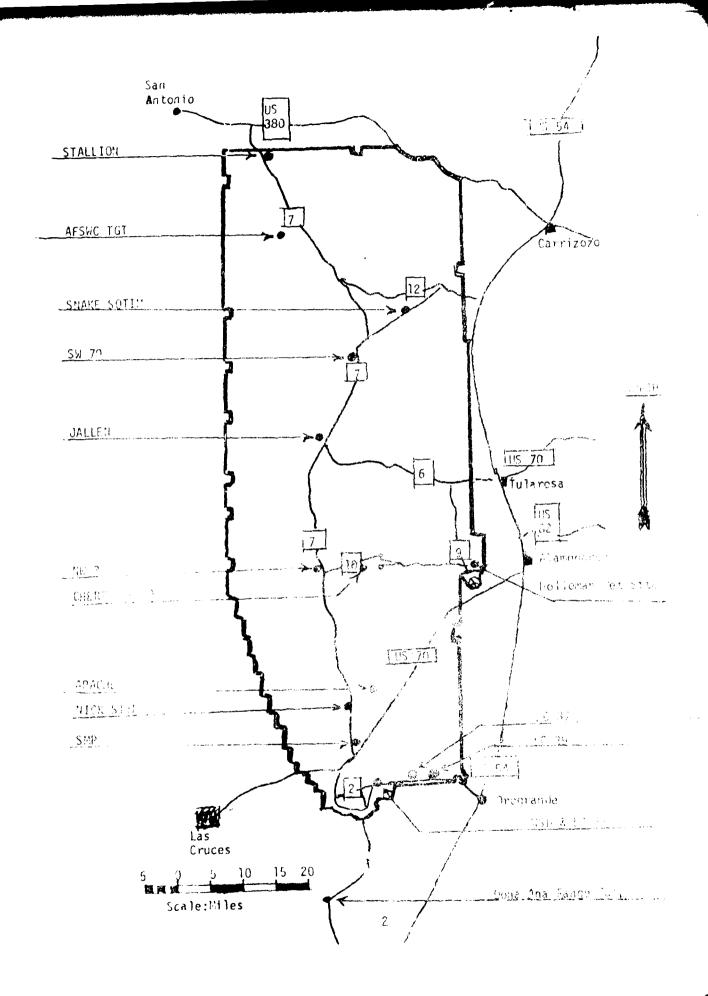


TABLE 1. Surface Observation taken at 1200 MST, 20 April 1981, at LC-33, 19304D MLRS, Missile No. 002, Round No. V-135/MD-2.

CLEVATION	3983	i i /MbL
PRESSURE	880.1	**************************************
TEMPERATURE	26.0	11.
 PELATIVE HUMIDITY	22	
DEW POINT	2.8	t c
DENSITY	1021	GM/M ³
WIND SPEED	08	2.15
WIND DIRECTION	165	DEGREES
CLOUD COVER	0/CU/5000	AMT/TYPE/HGT

20 April 1981 TIME: 1200 MST

POLE #1 X485,874 Y185,955 H4018.74 38.7 ft	8.90 4		POLE #2 X485,874 Y186,012 H4033.53 53.0 ft	4.93 2.00 7		00 1 0 47 9436, 77,11 9136,116 00 44063.00 83.6 11. AQL								
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEEN RIS	T-TIME SEC_	D1 R Of G							
F30	170	18	T= 30	174	14	T-30	180	19						
F 20	168	17	T-20	186	15	T-2)	180	18						
<u></u> 10	168	16	T-10	165	13	T-10	180	17						
T0.0	162	20	T0.0	166	16	T0.0	180	17						
T+10	165	17	T+10	165	13	T + 1 (1)	175	17						

TABLE 3 LC-33 METEOROLOGICAL TOWER ANEMOMETER MEASURED WINGS (26,5 F) TOWER)

LEVEL #1, 1 X484,982.64		73, H3983.00 (hase)	LEVEL #7, 67 X484.382.64		<u> 63981.43 (Juans)</u>	:
T-TIME SEC	GER DEG	SPEED KTS	T-FIME SEC	DIR DEG	Service 1	i
T - 3()	166	19	T-30	176	03	
T ₋₂₀	166	12	T.,20	168	24	:
τ ₋₁₀	154	16	T	170	2.2	
Το.ο	163	17	T., ,	159	21	
T ₊₁₀	149	17	1+11	171	19	
	· +·			· · • · · · · · · · · · · · · · · · · ·	· · · · † -	

LEVEL #3, 10 X484,982.64	02 FEFT 1. (185) P.7.7	3, H3983.00 (base)) X481,31 FE (1									
T-TIME SEC	DIR DEG	SPEED KTS	I-1.41 F	o bip in G	Park to the							
T - 3()	168	MISG	T	165	20							
T-20	177	MISG	T_20.	771	20							
T-10	172	MISG	T	171	21							
To.0	153	MISG	$T_{G,G}$	150	17							
T+10	174	MISG	T+10	175	20							

T-TIME PILOT-BALLOON MISSERT WITH DATA

DATE 20 April 1981

SITE: LC-33

TIME: 1200 MST

WSTH COORDINATES:

X = 486,037.24

Y = 182,350.16

H= **3977.**30

SITE: NICK

TIME: 1200 MST

WSTM COOPDIMATES:

X = 470,734.56

Y = 255,775.64

h= 4126.57

LAYER MIDPOINT METERS AGL	DIRECTION DEGREES	SPEED KNOTS	LAYER MISPOINT _ METERS ACL	DIPECTION DESCRIES	SPEED KNOTS
SURFACE	200	07	SURFACE	181	15
150	192	13	150	186	15
210	191	16	210	165	16
270	191	19	270	203	14
330	190	21	330	208	11
390	189	23	300	175	09
500	190	24	46	199	06
(* f - 1	190	26	. : 1	755	10
896	190	26	<i>(1)</i> *	169	10
950	190	27	·	189	10
1100	190	23	· (\$) ·	187	11
1350	190	18	150	!83	10
1550	190	14	Mgn.	180	08
1750	187	14	1750	191	06
2 100	191	15	2000	130	06

TABLE _5

AIMING AND T-TIME COMPUTER MET MESSAGES 20 APRIL 1981

WSD 0900 MST	LC37 1000 MST
METCM1325065	METCM1325064
200900122881	201000124880
00000000 29470881	00516005 29560880
01349005 29390871	01458005 29430870
02298005 29130846	02419009 29180845
03340003 28730807	03324006 28800806
04371006 28240760	04315008 28320759
05343015 27790715	05318008 27840714
06354025 27460672	06331019 27340672
07358028 27200631	07343031 27060631
08376020 26860593	08 365023 2688 0592
WSD 1140 MST	LC37 1215 MST
METCM1325065	METCM1325064
METCM1325065 201160122880	201220124878
	201220124878 00356007 29920878
201160122880	201220124878
201160122880 00409007 2995088	201220124878 00356007 29920878 01300009 29510868 02305012 29200843
201160122880 00409007 29950883 01360013 29760870	201220124878 00356007 29920878 01300009 29510868 02305612 29200843 03335012 28810805
201160122880 00409007 29950383 01360013 29760879 02355017 29350845	201220124878 00356007 29920878 01300009 29510868 02305012 29200843 03335012 28810805 04369011 28360753
201160122880 00409007 2995088 01360013 29760870 02355017 29350845 03361019 2 8960806	201220124878 00356007 29920878 01300009 29510868 02305012 29200843 03335012 28810805 04365011 28360753 05350016 27820713
201160122880 00409007 29950880 01360013 29760870 02355017 29350846 03361019 2 960806 04368015 28480760	201220124878 00356007 29920878 01300009 29510868 02305612 29200843 03335012 28810805 04369011 28360758 05350016 27820713 06355020 27340671
201160122880 00409007 29950080 01360013 29760870 02355017 29350846 03361019 2 8960806 04368015 28480760 05329018 27990715	201220124878 00356007 29920878 01300009 29510868 02305012 29200843 03335012 28810805 04365011 28360753 05350016 27820713

STATION ALTITUDE 3989.F. FELT .DL 20 APR. pl ASCENSION NO. 280

SIGNIFICANT LEVEL DATA 1100023269 V. TE SANUS

TAB.

01 ODETIC COCKDINATES 32.40043 LAT DEG 106.37033 LOH DEG

REL HOM. PERCENT	23.0 17.0 18.0 24.0 34.0 15.0 17.0 17.0 17.0) •
RATUKE DEWPOINT CENTIGRÄDE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1) -
TEMPERATURE AIR DEWPOI DEGREES CENTIG	000 d d d d d d d d d d d d d d d d d d	100
GEOMETRIC ALTITUDE MSL FEET	3789.0 #309.0 5002.9 7135.9 11112.4 12143.2 14666.6 17638.2 18807.0 131.	0 * 20 · 15
PRESCIRE	681.1 671.1 700.1 70	

	UPPER AIR DATA	
MIION MLTITUDE 3989•NO FEET MSE	1100020280	GE ODE TIC COOKLINAT
APR. 31 0900 HRS MST	WHITE SANDS	32,40043 141
7 NSTOL 10. 28C	TARIF	

DETIC COOMDINATES 32.40043 LAT DEG 106.37033 LON DEG	INLEX OF REFRACTION	1.000257	1.000257		1.000243		1.000236	. 0000	•	1.000224	•	•	1.000216		502000	9020001	1.000100	1,099186	3300000	1.000181	1.000178	1+000175	1 + 000173	1.000170	1.00016	1.000163	1.080100	1.00001	1.000155	.00015	1.000143	700L	3 5 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			21000	T
∪E ODL TIC 32.4∪ 106.37	SPEED KHOTS	0.	0.	6.	1.7	2.6	0 m) IO	9.6	4.7	6.9	2.6	12.4	ທີ່ ທີ່	1001	7) (C	00 - 00 00 - 00 00 - 00	28.8	3.5	23.4	າ ເຄີ	19,5	20°0	r. N	4 0.7 7 0.7 1 0.0	1 0 1 0 1 0	စ (၁) (၁)	# 35 55	28.9	26.0	٥ ش د	n N	0 - 10	* · · · · · · · · · · · · · · · · · · ·	· :	14 - 2 13 0 14 0	
	DIMENTION SI DEGREES(14) K) .	17004	178-4	178.4	178.4	1835.	190.4	196.2	7.007	æ 6	6	ر د	195.7	n J	10.0			20.75	20.	250.05	206.	25.1.0	53.143	±		25.01.2		24.75	7	•	င်္ဂ	1.52	5	. ز) :	;	7.000
41 0 5	58-32 JE SOUND KNOTS	6.800	D. D	067.5	665.3	663.6	8 1 00	650	650.8	655.5	653.6	652.3	650•B	できかさら	047.0	T = 10 = 10 = 10 = 10 = 10 = 10 = 10 = 1	0 + 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ±		0.040	5.41.03	0.000	639+3	558°1	636+8	2000 c	0.500	531.7	030	6.20°4		0.000	5. * *20	V 20 0	15 - 15 C	• 5 X 5	, D	•	· · · · ·
UPPER AIR DAT 1100020260 WHITE-SANDS TÄBLE	DENSICE GMZCUBIC METER	1041.3	1041.0	1027.4	1015.4	1002.5	9.69.6	6.496	951.8	938.6	955.6	912.8	900.3	5° 1 88	7° 60' 60' 60' 60' 60' 60' 60' 60' 60' 60'	000 c 300 c 2	1 - 5 F CC	0.1.00	80.08	100%	784.0	772.6	760.1	74004	7.00°P	714.3	703.0	3.5° S	683.	671.5	601.3	h• [ç.9	641.7	S. N. O. S.	3 to) • (i) · (i		•
- '	REL.HUM. PERCENT	23∙€	22.5	17.3	18,0	1.0 0.0	20.00	21.7	23.€	26.4	28.9	31.6	335.	# 00 10 10 10 10 10 10 10 10 10 10 10 10 1	5 G X	4 · · · · · · · · · · · · · · · · · · ·		ر الريار الريار		. *				ا ہے۔ دائشہ دائشہ		17.0		ن ات	ε σ.	r.	}: -		• •	•			į.	
1 ,St. M51	MPERG.OUT DEMPOINT S.CELTIGHADE	•	-1.1	-5.8	-6.0	0) 6 	ວ ທ - ແ - ໄ	2.0 -	. o-	9•6-	6.8-	ပ္ ဇ္(1 . 5 · 0 •	7.61		4 / · · · · · · · · · · · · · · · · · ·	7 . 3 7 . 3 1	, , , , , , , , , , , , , , , , , , ,	12.	5 16.2	#2.us	(A)	\ \ \				7°62 -	-300	. 16.*	2 20 1	्र इत्		 2001	 	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	7		ŗ
3989•n0 FEET 4 090n HRS MST C	TEMP AIF DEGREES	5.05	50.9	19.7	18.0	16.5		12.0	10.3	4. 6	80	Σ (ι Ο (ດ ເ ດີ.	(d q) U		1	or I	ं 		သော (ဦး)	۵. د .	٦٥١	: 2 • : • : • :	2 (*) 3 (*) 1 (*)	0.01	11.	7.501.))	- • 9				1	
39. 8€	PRESSURE MILLIOARS	881.1				834°9		791.0	170.6	764.4	740.5	7.54	20121	1000 1000 1000 1000 1000 1000 1000 100	5.000 5.000			(** 1 79	634.		ွ ျပ်ပုံရှ			0 / 4 •	5500	i en ag	536.	5200	516.	, * nus	ට ජ .		 		1 1	7	,) () =	
STATION ALTITUDE 20 APR. 31 ASCENSION NO. 2	GEUMETRIC ALTITUDE MSC PEET	3989.0	4000	4500.0	2000	5500•A	0.0000	70007	7500.0	0000n	8500.0	0.0006	0.0036	100001	0.0001	11506.5	12000.1	12566	15003	135986.0	* Gr 6 + T	1450034	C - 10 10 1	10590.0	3.00001 3.00001	17000.0	17506.	13400.0	18506.0	190061	19506.	2.0002 2.000	2.0000.0	1 1 2 6 6 7 7				,

OF ODE TIC COORDINATES 32.40042 LAT DEG 106.37033 LON DEG	MING DATA INDEX DIRLCTION SPEED OF DEGREES(IN) NHOIS REFRACTION	237.7 24.3 1.000131	24.5	24.6	25.9	28.1	-	31.8	32.7		34.0	34.9	36.6		301000 · I	50100001	
√. > -	SPLED OF SOUND DIRE KNOTS DEGREE	014.7			610.2								298∙€		50405	59.5.44	1,000 1,000 1,000
UPPER AIN DATA 1100025555 PHITE SAND. TALLE 7 CORT.			573.0														454.
, F	REL-MUM. DEWSITY PERCENT GM/CURIA METER	16.7	16.9	17.0	17.0	17.0	17.0	17.0	17.0	15.3**	13.1**	11.0*	8.8**	5.7*	F. 53.0		0 4 0 0
3) 3) 5) 4)	TEAFFRATURE AIN DEWHOINE DEGREES CENTIGRANE	4-24-	-43+3	Z* 44-	-45.3	₹•9#-	-47.3	O • 27-		-51.5	⊕.53•	-56 • 0	758.c	1.754	7,00-	-70	5 ° 5 9 -
.gon one00 .gon one00 .gon one000 .gon one0000 .gon one000 .gon one0000 .gon one000 .gon one000 .gon one000 .gon one000 .gon one000 .gon one0000 .gon one00000 .gon one0000 .gon one00000 .gon one0000 .gon one0000 .gon one0000 .gon one0000 .gon one00000 .gon one0000 .gon one0000 .gon one00000 .gon one000000 .gon one00000 .gon one000000 .gon one0000000 .gon one000000 .gon one0000000 .gon one00000000 .gon one00000000 .gon one0000000000000 .gon one0000000000000000000000000000000000	TEWF Alb DEGREES	-24.2	-75.5	-50.7	-27.9	-29.1	-30.3	-31.5	-32.7	F33.9	-35.	-36.3	-37.5	-38.7	-39.0	10.10	-42·3
, j	PRESSUR. MILLIUARS	410.0	407.5	399.0	390.6	382.4	374.3	3000	350.	351.6	0.040	332.8	326.5	321.4	314.4	30705	300.
STAFICE DEFITUDE 2º APRETA ASERNSTOL HÖF 23	GEUMETRIU ALTITUDE MSL FFET	<3500.n	V-00047	24500.0	2500 0. 0	25500.0	20000.c	20200	£7000.	27500+0	28000.c	28500.3	3-UUU67	2.3500+6	პინიი	Ju50611	31006.0

** AT LLAST ONE ASSUMED RELETIVE HIMIDITY VALUE WAS USED IN THE INTLANDLATION.

GEODETIC COOKUINATES 32-40043 LAT DEG 106-37033 LON DEG													
JEODETIC 32.4 106.3	AFA SPEED KNOTS	1.7	3.3	9,0	17.0	28.5	20.2	25,1	28.0	4.73	24.4	33.4	
	MIND DAFA DIRECTION SF DEGRECS(IN) KN	178.4	186-1										
VELS 10 15	RCE • Hum• PERCENT	10.	213	29.	36.	15.	14.	17.	17.	10.	17.	15.4*	
MANDATORY LEVELS 1100020280 WHITE SANDS	TEMPLETURE AIR DESPOZAT DEGREES CEMITGRADE	16.0	-8.7	6.8 -	9•6 -	-23.1	-27.1	-28.9	-33.4	-38.9	1.44-	-51.5	
S T	TEMPA AIR DEGREFS C	18.	13.0	8.2	3.4	ι,	-3.7	±8.4	-13.7	-19.6	-26.5	-34.0	-45·2
, MSL ,SŢ	OUOTENTIAL FLET	*6664	6683.	8445.	10298.	12255	14345.	16580.	18980.	21573.	24404.	27521.	31006.
STATION ALTITUDE 3989.00 FEET MSL 20 APR. AL 0900 HRS MST ASCENSION 110. 286	PRESSUME GEOVOTENTIAL MILLIARS FEET	n-50.	n.08	9.05¢	n.007	u•059	U•009	n•053	200∙0	450.0	Ú*00th	350∙0	300•0

** AT LEAST ONE ASSUMED RELATIVE HURSDITT VALUE WAS USED IN THE INTERPOLATION.

	SI
STATION ALITIDE 4051.37 FEET HE	4051. 17 FEET HAS
20 APP . 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ASCENSION NO. 30	が

SIGHTFICANT LEVEL DAIN	1100160030	1. The second se	ය. දැන්
	4051. AT FEET HAS		C)

GEODETIC COOKDIMATES 32-40175 LAT DEG 106-31232 LOW DEG

UNE RELLHUMA POINT PENCENT PLORANE	ν. 	¥.0.5		57 54	.7 38.	6.65 50.0	.7 54°	* (17 h)*	•2 LE.	.04. 20.	.5 20.	.5 21.																										
TEMPLRATUME A.M. DEWPOI GESTLES CENTIS	1			; 		~~	0.3	2. 0,	2. 0.7	13.2		35.6	0,00	50° € 3 €		3000	C	H*Syc.	~ J. J. J. J. J.	**SS*	10 m	בינין ס	0.06:	461.4	7.62.b	۳ د د د د د د د د د د د د د د د د د د	· · · · · · · · · · · · · · · · · · ·		0		= <i>a</i>) -	* ≈; !-::-:-:-:		41.	0		
18.50 LTPM. 18.00 E01				,	۲		40,000			# 0206 c	÷	4	١.							•	٠.	. *	4		51225.5	÷	٠.	٠.						•	· ~			
	, r,		- 1	. (***	11	6500	91149	7.45.20	() () () () ()		53 6 67 77	34.00	3.600	30318	5.462	26975	16350	47300	0.637	35861	30 65 4	142	 60 80 	S = 1) 7 7	0.54 0.54 0.54 0.54 0.54 0.54 0.54 0.54	C3 ,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	;: (₹. (£. (, e	,		=	្តា ស្ត្រ រ	Ċ,	·		٠.	:

1 ".SL	MSI	
STATION ALTITUDE 4651+37 FEET MSL	1000 HRS MS!	
L 4(5)	7	30
" LTIT UD	1,1	9
TATION	20 APR. 1.1	ASCENSION NO.

SIGNIFICANT LEVEL DATA 1100160030 LC-37

LC-37 TABLE @ CON*T

JEODETIC COONDINATES 32,40175 LAT DEG 106,31232 LON DEG

PRESSURE GEOMETRIC TEMPERATURE REL.MUM. ALTITUDE AIR DEMPOINT PERCENT MILLIBARS MSE FEET DEGRES CENTIGRADE

20.0 87682.4 -47.0 18.0 89992.9 -47.0 14.8 94349.5 -40.4 10.0 103285.7 -37.4 10.0 103285.5 -34.4 7.6 109122.1 -28.2 6.0 115374.5 -27.3 4.8 120717.7 -26.5

10

STALLON ALLITUDE 20 APR. 11 ASCINSION NO.	rube 40 , 33	51.37 FEET MSI 100n HPC WSI	T PISE		UPPLR AIM DATA	041A		oCODETIC 32.40 186.31	DETIC COOKDINTES 32.40175 LAF DEG 106.31232 LOW DEG
GEDARTRIC ALTITUDE MSL FEET	PRESSUR _E NILLIDARS	TCMP AIN DEGNEES (TOMPLEATURE N. DEMPOSATI EES CELLISALIA	RCLOSE	8578117 87779816 907778	SPEED OF SOUND RIGOES	WIND DATA DIRECTION S DEGREES(IN) R	ITA SPEFD KROTS	INDEX OF REFRACTION
4051+4	879.7	5•1¢	• ,	39.5	3030 c	5.69.5	296.0	5.1	1.000252
4500 · c	8n3.9	20.3	3 • € ₩	30.5	1020.7		276.8	4.1	1.000249
ວາທິດ-	850.7	3	-2.3	22.E	1012.3	_	241.7	3.8	00024
2500 r	835.6	17.5	13.4	23.7	** 566	6++94	215.5	4.5	•0000•
00000 00000	850.8	10.1	⊕ C = 1 1	24. 25.	980.7	063.2	196.7	8.6	1.000240
7000.0	791.5	15.1		27.0	961.3	6.4.B	6.481	7.2	.0002
7500.0	771.1	11.6	5.6-	28.0	948.8	058.1		7.7	.0002
8000°	762.9	10.	-6.5	30∙3	•	650.3	179-4	8.1	•
8500.0	ロ・ハサノ	. (0 . (3.1.	924.2	054 ac	180.5	æ (•
0.0004	70/07	7.5	٤	0.00 0.00 0.00 0.00	972.5	652.6	101.0	. c	1.000250
10000	7,10.8	t .	J	90.00	888.9	248.3	182.9		•
100001	9.669	2)	319.1	877.2	647.6	183.5	12,5	٠
1100s	582.8	6.5	;	4207	865.2	645.6	184.4	14.6	•
11500	0.020	ì		4.0+5	953.4	6.440	165.4	18 3.5	1.000204
120054 0.00277	557.5	.) ** (° '	음 / 교육 전 1	თ © ტ ბ	841°B	042.0	1,001	22.4	1.000202
N-00654	7 7 7 7 7	4 !' 9 0	-1 C	7 6 6	0.40.0	7.7	103.5	604	1.000193
C * 00000	520.7	ា ្ខា មា <i>ក</i> ា : វ	0 0	19.0	799.8	T • T » O	197.8	31.1	1.000183
1.00001	၁၉၀၈၅	() ()		10.1	785.1	639.9	2000	28.6	1.000100
7.000 Co. 1	29/05	(E ^ 3) -	· **	18.6	-	6.39 . 3	20315	25.3	
5.000ct	ν) (1) (1) (2)		5.7	13,0	759.4	036°0	207.3	21.9	1.000173
1,000,0	5 · 10 · 10 · 10 · 10 · 10 · 10 · 10 · 1	υς Γ Σ	ئى ئارى ئارى	(C. C. C		037°4	210.	\$ · DQ	
0.00541	0.000 0.000 0.000	7.07	100.00	V = 0	726.6	4.000	215.0	2,7%	1.000165
17000-	54146	3	とうじる。 (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	18.5	713.5	633.5	217.4	8.15	
17500.0	531.0	ଂ 6-	2.466-	18,5	702.5	632.2	219.0	26.1	1.000159
18007.0	220.7	-11-0	- 30°	18.7	9-169	630.9	252.5	27.8	1.000157
10500.0	510.0	0.21_	3.10.	13.5	681.0	629.0	223.9	59.1	٠
19000	7.500	13.	3.19	16∙6	670.5	028.5	2 25.0	0 · c ·	*1000
100001	C*A04	:) u	3.60	19.1	\sim	620.B	5.428 5.458	30.0	1.000149
0.0032V	0.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	0 x 0 x 0 x 0 x 0 x 0 x 0 x 0 x 0 x 0 x	100.1	ָּ פַּ פַ	7 • OF V	570°	0.000	30.7	1.000164
<100E-5	D • 13 m	0.01.	- 1 - 2 - 3 - 4 - 1)	, 2	7000	1.620	30.0	+1000
21500.0	452.0	12 · 5 · 1	Torc.	് പ് സ് സ്	1.3	5.029	250.5	29.3	•
5500022	3.244	5.0c-	9.00	14.5	ė	2.4.4	3.51.0	•	.00013
22500.0	å	-51.0	-38.0	ુ••ુ₹		617.u	ા	56.9	1.000135
. 1000°	G 16 € to	->5.	0.06.		591.4		227.0	26.3	1.900133
7.5500.5	/ t a f	. , , , ,	1000	s, g	$\dot{\sim}$	C14.7	221.5	25.8	1.000131

SEODETIC COURDINATES	106.31232 LON DEG	WINC DATA INDEX	IOH SPEED OF (1N) KNOTS REFRACTION	.0 26.1 1.000129	.8 26.8 1.000127	28.0 1.00012		29.8		33.7 1.00011	35.5	36.8	38.2	1-000107	Ω. I	t 1 • 7	1.54	15 43.2 1.000100	1.7.7	50.5	53.5	55.3	57.3	6.65	52.3	9.40	0 / o		75.00001 1.000077	78.9	79.1	76.1	70.6	9.18	84.3	87.3	90.2	3°05	1 68 6 1 1 600000 1 2 600000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.00
		JI M	DIRECTION DEGREES (TM)	227	250•8	234.5	237	239.7	241.0	245.5	247.2	248.2	543·n	248.0	248.1	かいかつ	7 . 7 . 7	248.0		7.007	249.5	247.6	240.5	245.7	0.0.7	で さ さ こ の	- 0 T T T T T T T T T T T T T T T T T T	1 1 1 1 1 1	7 2 3 4 5 6	0.440	24443	243.5	242.0	241:3	241.	241.0	242.0	3 3 4 5	740.0	
0ATA 30	CON 'T	SPEED OF	SOUND KNOTS	013.4	6110	_	_	607.3	8.009									590.1									578.7											57.	1 · 1	0.0
UPPER AIR UATA 1100180030 LC-37	TABLE 10	DENSITY	GM/CUBIC METER	573.2	564.3	555.1	546.1	537.3	328.0 528.0	511.7	503.4	495.0	486.7	47H.6	4.0.4	462.8	2 · 0 · 0	447.2	7.0C#	403.7	4.00	408.3	4000	392.8	384.8	376.8	369.0	4.100	3444	3,000	336.5	325.0	3,80	312.3	305.8	599.5	262.5	284.0	8-1-70	
_		REL.HUM.	PERCENT	19.9	20.0	20.1	20.3	20.4	20.6	20.0	**6.03	17,5*	14.1**	10.8**	•	****	* * * * * * * * * * * * * * * * * * * *																							
T MSL MST		TEMPERATURE	DEWPOINT CENTIGRADE	-41.6	-42.6	-43.6	-44.5	-45.5	146.U	-48.5	9.64-	-52.1	-52·G	-58.2	-62•0 -62•0	5 J Q J	300																							
51.37 FEET MSL 1000 HRS MST		TEMF	AIR DEGREES	-25.2	150.4	-27.7	-28.9	-30.1	-31.4	-33.8	-35.1	-36.3	-37.6	138.R	1 f	7 • T †	U 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		7 (T)	C + 2 = 1	146.	0.69-	3.64-	-50.7	€ + 75±+	0 ·		7 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· 전 (전 (전 (전	かっ コゾー	13.13°	146.2	2000	5 200	: · · · · · · · · · · · · · · · · · · ·	က ၊ ကို •				
1117UDE 465	•	PRESSURE	MILLIJARS	400.0	399.7	391.2	384.9	374.8	359.1	351.5	344.1	336.6	329.2	322.0	6 - + I C	30000	7 in 100	C. 180	283.4	2751	266.3	264.7	2504.7	256.0	245.0	234 s c		22/20	1.0	212.	201.7	202,4	196"	31761	180.	े अ स्था	•.) - - -	-	
STATION ALTITUDE 46 20 APR 81	A SUENSTON	GE ONE TRIC	ALTITUDE MSL FEET	24000.	24500.n	25000 · c	25500•n	200005	7,000.0	27500.0	28000.p	28500.9	29000-0	2.9586.n	0.0000c	3.0000	2.00016	0.00010 0.00000	3.00000	2.500.0	53500	34000•	5+500+5	.•000cc	35500·	50000c	303000	0.00.15 47.00.0	38000	34500.0	39000.	39500	÷0000+	40503.	41000.0	41500.	c • 00024	0.000000000000000000000000000000000000	0.0003	

A ACT ON ACCOMPPINED TING VIMINITY VALUE WAS USED IN THE INTERPOLATION.

14

STATION ALTITUDE 20 APR. Bi Ascensio, Ho.	. ₽ 0	51-37 FEET MSL 100~ HRC NO	UPPER AIR DATA 1100160030 1 33 1750 10 00871	DATA 030 CG∀1T		oe ODETIC 32.4∪ 106.51	DETIC COURDINATES 32.40175 LAT DEG 106.31232 LON DEG
GEUALTRIC ALTITUDE MSL FEET	PRESSURE MILLIBAR	TEMPT TANKS OF THE STORY OF THE		SPLED OF SOUND KNOTS	KING DATA DIRECTION S DEGREES (14) K	SPEED KNOTS	INUEX OF REFRACTION
1 + 0 0 a 1 +		T 125	96536	570 49	242.7	83.3	1.000059
46508.0		· ·	_	572.3	7.842	80.7	1.000057
+5000÷÷	٠,٦	.= • ×. •	250.2	573.6	20.00	80.3	00000
0.000 t C#		ï.	4.446	573.5	242.9	80.0	1.000054
7 (1) (2) (3) (3) (4) (4) (4)			00 0 M. W. W. W. W. W.	573.1	0.544.0 0.00	80.0	1.000053
	7 3		7 000 000	**V/0	 	, no	7.00005
	4 5	or o	ر ا ا	# 0 P C C C C C C C C C C C C C C C C C C	0 0 7 7 7 C	91.6	100000 T
) +)	30.4	219.7	2010	24042	91.2	1.000000
8.0000 A	1,11	c	214.8		239.6	80.8	
0.00000	120	0.57	210.0		1+942	79.4	
0.00000	125	76376	205.3		240.3	77.9	1.000046
50000-6		0.00	200.8		241-1	74.9	1.000045
C+00000	AT.	F * T O :	196.3		242.0	71.3	
0 • 0 0 0 • € 0 0 0 • € 0 0 0 • € 0 0 0 • € 0 0 0 0	D .	्र (अ.) !	192,2	_	202.0	67.7	1.000043
		7 × × × × × × × × × × × × × × × × × × ×	8.7%		24365	•	1.000042
		기 C : 이 전 : 이 전 : 이 전 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 :	105.1		N	500	1+000041
できたの言語が	1014 1015	က က ေ	175.27	563.7	/ * # * / / / / / / / / / / / / / / / /	53.9	1.000039
55555	105	03:25	171,7		243.4		1.000038
54000c	100	8 636 8 636	169.8		241.4	6.44	1.000037
5-1203-0	ρó	1.47.4.	162.3		238.9	0.0%	1.000036
		m cost	1500		23300	36.5	1 • 000035
	() ()	∵	103.9		· * * * * * * * * * * * * * * * * * * *	53.	1.000034
	¥ 6 6 €	156.6	101.01 144.0	564.8	20 ° 20 ° 20 ° 20 ° 20 ° 20 ° 20 ° 20 °	51.1	1.000034
57090+0		# . 2 9 .	5. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.		3,628	0,80	1.000032
57500-3	34.	8.54	139.5	_	231.3	26.4	1.000031
J•0U6AC,		161.0	1.7010		534.9	24,3	1,000030
567,900	ง (14: 10: 11:		239.3	85.00 10.00	1 - 600030
7.000.005	- 1-	\	10000		7.057	7 U	6200001
v • 6890€)	1/2	Ç.	1000	2 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	# 5 t t t t t t t t t t t t t t t t t t	10.0	1.000028
			4 10 0 0 4	_) (*) (*) (*) (*)	17	1 - 000027
	e :	4. 74	120.0		r i	12.8	1.00002
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5		1.7.4		400	10.8	1.990726
		ĭ	114.5		2550	41 0	1. 10026
		,,,	9111	35.3	28.95		\$ 2 3 3 5 5 4 \$
	,			0.€2.÷	i. Tu	6 3 3	

STATION ALTITUDE 20 APR. B1 ASCENSION NO.	3 %	1651.37 FEET INSL 1000 HRS MST	J .	UPPER AIM DATA 1100160030 LC-37 TABLE 10 CON'T	. UATA .030 CON *T		JEODETIC 32.40 106.31	DETIC COOMDINATES 32.40175 LAT DEG 106.31232 LON DEG
GEUMETRIC ALTITUDE MSL FEET	PRESSUR _E MILLIBAR _S	TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE	REL . HUM. PERCENT	DENSITY GM/CURIC MFTFR	SPEED OF SOUND KNOTS	WIND DATA DIRECTION ST DEGREES(IN) KO	JA SPEEU KNOTS	THUEX OF REFERENTION
04000	61.3	-63.8		101	763.7	2000	\ \frac{\chi}{\chi}	F00000-1
64500-0) (C	0.00		6.707		1.007	7.	20000
65000		0 • M		96.7	000 1000 1000 1000	20.1	, r	1.000022
65500 · n	56.9	-62.0		93.9		140.5	11.1	1.000021
66000 · n	55.5	-61.4		91.4		120 · b	11.7	1.000020
56500.n	54.5	-61.1		89.1		104.8	13.5	1.000020
57000°C	52.9	6.09		86.8		97.0	14.8	1.000019
0.00000	20.00	10 m		0.00 0.00 0.00	1000C	0.06 6	7.4.	1.000019
08200.0	49.5	0.04-		30.08		104.1	13.5	1.000018
6.00069	0·9h	-59.6		78.4		110.3	13.7	1.000017
69500 · n	6.94	-59.3		76.4		116.4	14.1	1.000017
70000	ω ())	58.9		74.5		113.1	14.3	1.000017
71000	* o * t = z	න ද ආ ආ		72.6		108.2	14.5	1.000016
0.00017	- 4 - 0 - 1 - 1	1.4.0 1.4.0		8.07		103.5)	1.000016
7.0000	0 4 to			0.69		70°00	14.1	1.000015
700000	2	0.7.00		5.70	0.275	70.6	13.	1.000015
73000	1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	0.90.		63.60		78.11	16.5	410000
73560.0	3.50	-56.6		62.3		76.8	19.1	1.000014
740004-1	37.8	*56*2		60.8		7.77	21.9	1.000014
79560	3/6	6.84		59.5		61.9	25.4	1.000013
7,000,7	3c - 1	တ ကို		57.8		35.1	28.9	1.000013
75506.7	ν. 	0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		56. 51.		86•0	32.0	1.000013
700007	2 t d	か。 され 1		0.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40		04 10 10 10 10 10 10 10 10 10 10 10 10 10	34.4	1.000012
77000 ·	36.70	1 (4) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		01 C	576.5	# # # CS CS CS CS	36.5	1.000012
77500.0	35.55	133.2		50.6		412	34.1	1.000011
76000.0	31.3	153+5		9.64		80.4	31.8	1.000011
78500.0	ာ . မက် က	[1.00±] [1.00±]		43.4		±•₹2	29.0	1.000011
3•0006Z	29.	-52.5		47.1		63.6	26.0	1.000010
79500.	25.	5.5.5		6.54		9•99	23.0	1.000010
80000	20 (, o , o	Z • 1		3		\$ 63 € £	21.5	1.000010
0.0200	• . N (-1 \ a \ a \ a \ 1		\ • \ • \ • \ • \ • \ • \ • \ • \ • \ •		 20	æ•61	1.000010
81000.0	i i	9.0.e.		45.6		7.06	3.81 18.51	1.000009
81500.5	3 . 62	ન: ૦ 1		5 • 1 4		91•4	17.4	1 • 000009
8<000<	200°	ν. 		# C # F		92.0	1.91	1.000009
82500.0	2 € • 4 • 3 • 3 • 4 • 6	다 : : : : : : : : : : : : : : : : : : :		3.000 3.000 3.000		T + 3	3.0	1.000000
0.500 H3 + 0.000 H3 +	i.			37.00	564.C	u 1	3 A	1.00000
	i			* - 7		0.76	10.1	1.000008

UPPER AIR DATA	1100100030	40.40 %
	IION JLIIIUDE 4051-77 FEET MSL	1000 HRS 457
	I ION , LIITUDE	APR. 1:1

PRESSUR_ TEMPERATURE_RECENTY SPEED of WIND DATA INC. DIMEDIAN PERCENT SPEED of UIRECTION PERCENT PERCENT SPEED of UIRECTION PERCENT		AJCHNATCH (10) CO					32. 106.	32.40175 LAT DEG 106.31232 LON DEG
PRESSUR. TEMPSARIBE RECENT SPEED OF WIND DATA IN MILLLIAMPS SCRIESTING SOUND DIRECTION SPEED OF MILLLIAMPS SCRIESTING SOUND DIRECTION SPEED OF MILL SPEED STATES SOUND DIRECTION SPEED OF MILLS STATES SOUND SPEED SPE				01 478 H	CON 11			
### CALCHUARS NEWERES COLUMN NEWER NAME	GEOJETRIC	PRESSUR _C	ا المحال	v	SPLED OF	WING DA	414	INDEX
23.7	FELT	MILLIUARS	GREES		S10119	DEGREES(TN)	SPEEU KNOTS	OF REFRACTION
25.1	000+		6.19-	30+5	565.	8.06		1.000008
26.1 -47.2 2 36.5 36.5 4 44.5 11.0 20.7 20.6 4 44.5 11.0 20.7 20.6 4 47.1 26.5	5.005		107.5	35.7		984.6	11.4	1.000008
24.1 56.5 5 64.4 10.7 10.7 10.7 10.7 10.7 10.7 10.7 10.7	~•00uc		オールフー	34.9		Rest	11.0	
21.6	1500°r		no/3-	34.1	-	3.48	10.7	1.000008
20.6	0000		747.0	33.3		82.0	10.4	
20.5	5000		147.2	ກ. ທູ		80.4	12.1	
20.2 117.0	0000		1-1/1-1	51.8		79.2	13.7	1.000007
19.5 17.0 17.0 19.5	0.0047		0-24-	31.1		78.5	15.4	
19.5 19.5	50005		0.721	4.0€		77.5	17.0	
10.00 10.0	3200.0		0.74	29.7		7.7.0	18.5	1.000007
10.00	3.000		0.75	0.62		S.0/	20.1	1.000006
10.00 10.0	0.00		0.7	3° 878		79eB	19.5	
1.00 1.00	0.0000		<u> </u>	27.7		3°,0°	18.0	1.000006
10.00 10.0	0.0000		7:0±1	27.0		6.26	16.8	1.000006
10			7 c 2 d 2 d 2 d 2 d 2 d 2 d 2 d 2 d 2 d 2	20.3		101.5	0.	1.000006
10.1	0.000		- C 3 - A - A - A - A - A - A - A - A - A -	7 * C U		0 : 0 : 1	7.0	1.00000
15.7 "42.4 10.8 10.4 10.8 10.4 10.8 10.4 10.8 10.4 10.8 10.4 10.8 10.4 10.	550019		スカウン	9.62 9.45		2.70.1		
10.6	5000 en		-42.4	23.7		ちょんかし	10.8	
1500	\$500.A		-4.1.7	23.1		150.0	10.3	1.000005
140.7 740.5 140.8 740.5 140.1 70.1 140.1 70.1 140.2 70.1 150.6 150.0 150.7 150.0 150.8 150.0 150.8 150.0 150.9 150.0 150.9 150.0 150.0	0.600.		5.00-	55.6		152.0	6.6	1.000005
19.1 -90.1 19.1 -90.9 10.5 -39.9 10.5 -39.9 10.5 -39.9 10.5 -39.9 10.5 -39.5 10.5 -39.5 10.5 -39.5 10.5 -39.5 10.5 -39.5 10.5 -39.5 10.5 -39.5 10.6 -39.5 10.7 -39.5 10.8 -39.5 10.9 -30.7 10.1 -30.7 10.2 -30.7 10.3 -30.7 10.4 -30.7 10.5 -30.7 10.7 -30.7 10.7 -30.7 10.8 -30.7 10.9 -30.7 10.0 -30.7 10.0 -30.7 10.0 -30.7 10.0 -30.7 10.0 -30.7 10.0 -30.7 10.0 -30.7 10.0 -30.7 10.0 -30.7 10.0 -30.7 10.0 -30.7 10.0 -30.7 10.0 -30.7 1	0.000t		140.0	22.0		1,40.4	8.5	1 • 000005
10.6	0.0000		1,001	21.5		158.2	7.2	1 • 0000005
10.68	0.0000 0.0000		6.66.	21.0		12000	6.1	1.000005
13.5 -39.5 13.2 -39.3 13.2 -39.3 14.6 595.8 65.7 14.6 -38.9 14.6 -38.9 16.0 596.2 16.1 59.9 16.1 59.9 16.1 59.9 16.2 59.9 16.3 597.9 16.3 597.9 16.4 12.7 16.5 599.9 16.6 596.2 16.7 59.9 16.8 599.9 16.8 599.9 16.9 59.9 16.9 59.9	0.0000		L*6:-	20.5		110.9	5.5	1.000005
13.2	50050		-39.5	20.1		89.6	4.6	1.000004
16-6 -78-9 1	7000		の+の的 -	19.6		65,7	۲, ۵	1.000004
14.6	15,000.0		1-62-	19.2		6+3+	e, e	1,000004
14.6	ამცია		o.*81.1	10.7		36•3	9:9	1,000004
16.1 -30.5 14.5 -30.4			-38°7	8.01	-	25.50	7.7	1.000004
17.5 597.1 33.7 9.7 10.6 12.5 13.7 9.7 12.2 12.5 13.7 9.7 10.6 12.5 10.6 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12	C • 2 : Us		-36.5	17.9		34.4	6.7	1 • 000004
14.5 17.8.0 10.6 14.5 17.8.0 10.6 14.5 17.8.0 11.2 15.7 15.9 11.2 15.1 15.0 11.2 15.1 15.0 11.3 15.1 15.1 15.1 15.1 15.2 0.00.5 59.0 15.1 15.2 0.00.5 59.0 19.3	e dust		7.00K.1	17.5		33.7	2.0	1.000004
11.2 11.2 10.3 597.0 45.6 11.9 10.1 537.4 12.7 10.1 599.2 44.0 12.7 10.2 599.2 51.4 15.4 10.2 59.0 19.3 10.1 7.2 600.3 59.0 19.3	7000		٠ <u>٠</u>	17.1		35.5	10.6	1.000004
10.5 597.9 45.4 11.9 10.7 575.4 12.7 10.6 596.2 44.0 12.7 11.7 75.4 15.4 15.4 10.7 75.7 19.3 10.7 75.7 19.3	00€.		8-1-8	16.7		3.3.€	11.2	1.0000004
12.7 10.7 ±37.4 12.7 44.6 12.7 15.4 15.4 15.4 15.4 15.4 15.4 15.2 600.5 59.0 19.3 19.3 10.7 10.7 10.7 10.7 10.7 10.7 10.7 10.7	J • 0 9 0 3	< 1-4 -	9*/:-	10.3		7 • 1 4	11 9	1.000004
15.4 15.4 15.4 15.4 15.4 15.4 15.4 15.4	~•00¢1		97.16	16.0	-	0.44	12,7	1.000004
15.2 16.4	្រ ប្រមូលវ	· ·	**************************************	15.6		p•16	15.4	1.000003
4.6 16.1 05.6 05.6 23.5 1	7506.5	ن		15.2	_	0.69	19.3	1.000003
	,	·. - ·	· · · · · · · · · · · · · · · · · · ·	x• + -		0.44.0	スト	1.00000

STATION ALTITUDE 20 APR. 61 ASCLNSIO: NO.	UDE 3	4651.37 FEET NSL 100n 145 NST 0	- '	UPPER AIR DATA 110018003U LC-37 TABLE 10 COY'T	DATA SU O∀¹T		JEODETIC 32.40 106.3	DETIC COORDINATES 32.40175 LAT DEG 106.31232 LON DEG
GEOMETHIC ALTITUDE MSL FEET	PRESSUR _E MILLIDARS	TEMPERATURE AIK DEMPOINT DEGREES CENTIGRADE	REL.HUM. PERCENT	DFIISTTY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION S DEGREES(IN) K	NTA SPEED KNOTS	INDEX OF REFRACTION
104000.	7.6	-33.6		14.1	605.9	71.4	29.3	1.000003
104500.	4.5	-33.1		13.8	003.0	76.4	30.1	1.000003
105000.0	4.3	-32.6		13.5	2.400	81.1	31.1	1.000003
105500.0	9.1	-32.0		13.1	-	85.4	32.4	1.000003
1000001	0.1	-31.5		12.8		1.68	30.9	1.000003
100500.	, v.	131.0		12.5	_	93•3	28.7	1.000003
107500.0	3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		10.01	6009	103.6	25.0	1.000003
108000.0	9.5	5.66-		11.7	-	103.4	23.6	1.000003
106500.0	C•3	-28.9		1104		102.7	21.8	1.000003
100001	7.8	-28.3		11.2		101.2	20.1	1.000002
109500.6	7.7	-28.2		10.9		9 • 66	18.5	1.000002
11000011	7.5	-28.2		10.7		9 5• 5	18.8	1.000002
110500.	7.4	-28.2		10.5	-	91.2	19.7	1.000002
111000.0	7.2	-28.2		10.3		6.78	20.7	1.000002
111500.0	7.1	-28.2		10.0	2.609	83.8	21.7	1.000002
112000.0	6.0	-28.1		9.6		74.8	22.3	1.000002
112500.0	G • 3	-5 8 •0		9.6		6.49	23.4	1.000002
113000.7	9.0	6.73-		ት• 6		200.	25.1	1.000002
113500.0	U.	-27.8		9.5	610.3	ດ • ອາ ທີ່	27.3	1.000002
114000-1	t (37.5		0.6		2.1.5	27.0	1.000005
11450000	C: =	27.5		8• 8		ာ•ဆဋ	26.2	1.000002
111,500	- · ·	* * * * * * * * * * * * * * * * * * *		8. 0.		2	2 2 3 4 4	1.0000:02
1100001		7.71		ກ າ		,	20.0	1.000002
0.000011	0 t	2:101		8.5		9.00 00	28.5	1.000002
116500.0	` • ·	15/21		3.	611	2,326	52.9	1.000002
117000.	ٽ غ	-27.1		7.9		686	37.9	1.000002
117500.0	ល ភ	-27.0		7.8	611.2	103•ເ	43.2	1.000002
118000.	æ•0	6.92-		7.6	611.3			1.000002
118500.0	ທີ່. ທີ່	8.02-		7.4				1.000002
119000.	5.5	-56.R		7.3	011.5			1.000002
119500.	മ	r		7.1	611			1.000002
120000.	6°3	1724 B		7.0	6111.7			1 • 006265
120506-5	۵. †	\$ 90-		p•6	613.0			1.900002

MANDATORY LEVELS	1100180030	6 M T Li -	er e
	STAILON ALITION ANDION FEET HAL	ZU APR. EI INO INC MS.	ASCENSION NO. 30

JEODETIC COOKDINATES 32.40175 LAT DEG 106.31232 LON DEG

1 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MILLIPARS) () ()	Min Same State Charles	R DESTOYATE	PERCENT	DIRECTION SI	SPEED
10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1	1					DE ONEE OF 1117	
10031.	F50.5	***	(°,		23.	240.5	8.0
10331	មល់លាក	7.		.5.5.	20,00	188.0	3
10331. 0.0 -0.7 32. 144.2 136. 156.1	750.0	C4.45		7 ° 7) (\(\frac{1}{2}\)	7.000	
122851.0 -14.2 38.	700.0	10331.	e.,	10.7	1 20	183.5	- C
143633.9 -24.2 19. 196016.0 -27.0 18. 21600713.2 -31.9 19. 21600713.2 -31.9 19. 21600713.2 -31.9 19. 24644226.4 -42.9 19. 247.0 -42.0 -42.0 19. 247.0 -42.0 -42.0 -48.7 21. 2503056.5 -	6.50.0	12285.	c •	- C # F +	4 55 M		0
196016.0 1900713.2 2160613.2 2160613.2 217.3 21.4 21.3 22.4 23.4	0.009	14365.	-3.0	10.50	o o		74.0
1900713.2 -31.9 19. 2160619.4 -56.9 19. 2160619.4 -56.9 19. 2163556.4 -48.7 21. 25.05656.5 -56.5 48.6 59.0 19.0 19. 25.05656.5 -56.5 59.0 19.0 19.0 19.0 19.0 19.0 19.0 19.0 1	550.0	16601.	υ· υ·	-27.0	180		1 - C
21606. 119.4 -56.4 19.4 2.0 20. 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	500.0	19007.	-13.2	-31.4	. 6		.0.
244442.	450.4	·1608.	10.4	-36.9	19.		0.00
24/556	400.0	75442	-26.4	-42.5	50.		26.8
24035.	356.0	27000s	12.50	48.7	27.0		1 1 1 1 1
54.47, 150.6 42968. 156.5 45950. 156.5 45413. 156.4 53930. 162.6 51121. 162.6 51121. 167.1 51903. 157.0 72503. 157.0	U-50x	51035	1485		: 		1 7 7 7
39704, 156.5 482667, 158.5 458.56 45413, 156.5 53930, 163.1 51848, 167.1 61195, 167.1 71935, 167.2 7253, 167.0 73512, 147.0 73572, 147.0	12000	, 10 . P.C	-50 •€				10
42465	0 - 0 0 c	3970%.	= 56+5				77.5
45555, 55.5 5.4913, 50.5 5.8930, 50.6 5.8448, 67.1 61121, 67.1 61195, 64.0 72503, 750, 760, 2 72533, 750, 760, 2 72535, 750, 0 72572, 447, 0	175.0	42469					6.00
45413, ~50°C 53930, ~65.1 53448, ~67.1 51121, ~67.1 51195, ~64.0 72503, ~64.0 72533, ~57.0 72511, ~48.6 87272, ~47.0	C+282	45058.	-56+5				0.0%
55930. +65.1 58448. +62.6 5121. +67.1 54195. +64.0 57902. +64.0 72503. +57.0 72572. +43.6 87272. +47.0	150.0	さんにオルス	3°90°=				77.8
5844862.6 512167.1 5419564.0 5790264.0 7256357.0 7257242.6 8727247.0	9•661	55930.	-63.1				0 0 0
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04195. *64.0 07902. *60.2 72503. *52.0 70535. *52.0 88431. *48.6 87272. *47.0 73572. *47.0	70.0	01121.	-67.1				
5790260.2 7250357.0 7053552.0 8243148.6 8727247.0 7357344.0	ون ، ن	υ ⁴ 195.	0.49-				0,0
72503, -57.0 70535, -52.0 88431, -48.6 87272, -47.0 73573, -44.0	50.0	67902	2:09-				13.6
70535, -52,c 82431, -48.6 87272, -47.0 03578, -44.0	₹ 03	72503.	-57.0			7.53.7	i C
5243148.6 8727247.0 0357844.0	င်္ဂ	70535.	a 555 a				0,77
8727247.0 0357844.0 10272535.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	62433°	9.84-				, C.
0552785 -440,0 202725 -450,€	29.03	87272.	-47,0) (C) (2) (m
3.02725. 1.30.4	6 1	93578¢	0.04) (7) 1 (3) 1 (3)
	7. 7.	- '	5 T T T T T T T T T T T T T T T T T T T				100 100 100 100
© 0.000 t	C: *	111017	-2002) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C
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THE REPORT ON A ACCORD RELATIVE THINDITY VALUE AAS USED IN THE INTLAPOLATION.

STWIION ZEIIIUDE Byddenn FPET WSE 20 APRe z 1 ASGLESIU: 110 232		SIGNIFICA 110 WHIT TABLE 12	SIGNIFICANT LEVEL DATA 1100020202 WHITE SANDS TABLE 12	ΑſΛ	ot Oblite Coonditts 32.40043 LAT 106.37033 LOW
PRESSURE GFOWETRIC ALTITUDE MILLIRARS WELFELT	GFUNGIRIC ALTITUDE MSL FELI	Trimper Alb DFGREES (Temperatur Aik bempeine Degres centigram	MCL.MUM. PEKCENT	
57a _{+C} 3a8	3989.0	25.6	ູ້	1.4.0	
96h 6* 05 0	4966.1	19.0	€.	0,7,7	
	8442.0	ۍ د د	14.1	37.0	
-	10307.3	11.2	10.1	47.0	
_	22.4	7.	-10.0	23.0	
023.2 1538	15380.4	-2.5	755.3	19.0	
	12.5	-3.9	-24.7	18.0	
	19041.0	-12.3	1.10-	19.0	
-	24508.5	-25.5	-41.6	0.05	
-	77.4	-29.8	144,0	22.0	
315.4 30014.0	0.61	-39.	5	0.17	

	*3	134 · 00 • 681	1l.		UPPER AIN UNI 1100026262	ابر ئۇ		חן סטר זו	OLODETIC COONDINATES
20 APP . 1		140 See 0411	157		WHITE SAN	5,		32.	32.40043 LAT UEG
A5CE ,510	;·0° c::			_	TABLE 13			106.	
GE UNITRA	PRESSURE	Jac - I	Fysic RA LUP	FELLERIM. DERSTEY		SPEFE OF		5	זייטון
ALIIIIUUE MSL FEET	MILLIDAMS,	AIN Drontes	OF MERCINIT	PEPCLAT	GMZCURIU METFR	SUUMD NHOTS	DIRECTION DEGREES (IN)	SPEEU NOTS	OF KEFRACTION
3.189.	H79.6	95.8	\$.	19.0	1022.2	674.5	250.0	7.0	1.000255
J.6000+	874.3	55.7	G •	10.1	1022.0	074.4	229.6	7.0	1.000255
45,00+)	804.0	72.7	.	23.2	1014.6	671.0	Z10.4	9.6	1.000254
7400ac	H43.7	19.7	٠.	27.1	1007.1	0.130	9.602	12.5	1.000252
7.00cc	α•οςπ ο•οςπ	က (၁) (၁)	*) '	28.5	0.466	666.0	504.4	15.5	1.900248
C.Bugo.) • O () a	٠ <u>٠</u> ٠٠	æ . • •	30.0	981.1	(+ HOC)	201-4	18.5	1.000245
70007	7911.0	100	-1-4	4.7×	00000 000000	665.7	7.707	18.1	1.000241
	770.9	- C	1001	5 · 3 ·	94 5.7	7 - 557	3.40Z	16.6	1.000033
, • UUU*	766.1	11.2	- 3 - 1 - 1 - 1	55.7	931.5	1.7.50	5.007	15.7	1 • 3002 50
0500.0	740.4	F- 6		57.3	917.6	0.059	201.0	14.8	1.900226
∪•0 00tt	734.7	o. • o	ः ।	0.04	4.106	2.440	197.2	15.0	1 • 00025 3
~*00S6	721.2	j. .0	٠٠٠ ا	£ 5.	895.9	4260	192.0	15.9	1.000226
10000	C•06/	-4 i	£ • 5 •	٠. د ۲.	884.4	0.069	192.0	17.2	1.000217
10500	C.020	01 °	o•01-	37. 	871.7	5.440	195.e	19.0	1.000001
110004	584.50 5.50 5.50 5.50 5.50 5.50 5.50 5.50	က (က (J-11 00 # 00 0	855.5	1.040	199.	20.5	1.000200
7.000. ·	5.C.40 6.0 f.	\;	· /	~ : 7: c	34°C•0	640.7	203.0	# · · · · · · · · · · · · · · · · · · ·	96[u00•]
15.000	644.0	4 [9 0]	-20.5	50. 50. 50.	821.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	7.602	2000	1.00193
1.5000	h3c.2	-1.3	-21.0	19.€	804.7	0,0770	210.9	24.2	1.000166
ົ•00i,∪,	62U+5	, · > -	-22·G	18.	797.4	641.5	212.5	25.1	1.0001.3
14000.	3.00u	-5.5	-53.5	18.7	783.5	0.60	213.5	25.3	1.000179
. 600 c i	30100	\(\frac{1}{2}\)	5. N. N.	ा (इ. (769.9	0,40.0	210.4	25.52	1.600176
2003c1	24.4	0 t 0 d 1 l) • th	 	72.50	0.4% 0.4%	6.417	7.00 7.00	1.000173
10000	₹• ? °¢		2 æ	4 C	70°C		215.7	26.2	1.000167
10590	5.26.5	c. 91	1-26.7	18.3	721.4		21009	26.8	1.000104
1/000.0	541.6	1	-27.0	19.5	710.5	534.5	218.5	27.2	1.00016.2
17500-0	531.1	10 P	2001	15.0	2.669	630.0	219.5	27.6	1.000159
15000	250. 250.		%. 500 1	<u>.</u>	1.689	0.34 . 1	5.022	28.1	1.000156
7.000.	51C+		150.2	, e d	670.0 66.0	6.101.5	2 - 1 - 5 2 - 2 - 5	200 200 200 200 200 200 200 200 200 200	1.000154
	4011	77.7			# • 000 B • 7 4 9	7.600.	2 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	C - C -	1.000102
- 110000	U • 11 € 1	1	- 50.5	· c	647.7	1 2 2 2 3	1	30.7	1.000146
J.01. 112	1.71.	10.00	-334	10.	637.0		263.7	30.0	1.000144
<100015	461.0	-1100	5 · 15 ·	٠. ان	1.797.7		2-127	59.4	1.000142
. 11,500.13			1	3,07	617.4	5-2-20	6.822	28.7	1.000134
. • JHE. 7	~ • • • • • • • • • • • • • • • • • • •	7 (7 (3.4.45	o_ (608.3	0.020	0.672	∪.oč	1.000157
**************************************	* * *		· · · · · ·	e a	ა ემი ემი	1.651.5		24,5	1.000135
•				-	3•5.cc	0./10	7.767	0.07	7 • 00111100

uc ODLTIC COOKDINATES 32.40043 LAT DEG 106.37033 LOH EEG	IBULX OF REFRACTION 1.000128 1.000128 1.000129 1.000129 1.000118 1.000110 1.000110 1.000110 1.000110 1.000110 1.000110 1.000100 1.000110
32.4 106.3	2 Ff U 2 Ff U 2 7.8 2 7.8 2 7.8 2 7.8 2 7.5 3 1.0 3 3 7.9 3 9 9 1.0 3 9 9 1.0 3 9 9 1.0
	#11%, DATA UNICCTION S LEGRELS (TN) K 233-4 250-5 237-9 235-0 235-0 230-2 230-2 230-2
A P	Sirku (d. 500MB) Ni015 Ni015 010-1 010-1 011-0 010-3 0
UPPLR AIR DATA 1100020282 WHITE SANDS TABLE 13 CORT	KEL. Hum. DENSIT: SITELD OF PERCENT GNZUMBL SOUND SIGNATOR SIGNATOR SOUND SOUN
⊃	KEL. MUKK. 19.0 19.0 20.0 20.0 20.0 21.5 21.6 21.6 21.5 21.5
75i.	1EMP: NA HIDE. 1. OI WPOINT REES . Lef I GKANE 3-1 5-5 6-6 6-8 6-8 6-8 6-8 6-8 7-8 7-8 7-8 7-8 7-8 7-8 7-8 7-8 7-8 7
140 1380 1	1EMF ALV. 72.5.1 72.5.5 72.5.5 72.6.9 731.0 731.0 731.0 730.0 730.0 730.0
11195 548 1 40• 282	PRESSURE MILLICARS 410-8 410-8 410-3 501-8 501-8 501-8 361-9 351-9 351-9 324-3 324-3
STALLON ALLITION ARRAND FEET AST 20 MMP AL 1140 BEC NOT ASCENSIO, AO. 202	65 U.E. TRIC ALTITUDE MSL FEET 2400000 2000000000000000000000000000

### ### ### ### ### ##################	TOUCZAZAZ WOTT SAKO. JABO. 1A			32-40043 LAT LEG 106-37033 LON DEG
19.00 19.00		Mar effort.	MATHOLINE	
4952. 1937. 6.0 6435. 6.2 -1.5 8435. 6.2 -4.1 1027. 6.2 -6.1 12863. 6.2 -6.1 128633.1 190995.8 -26.9 1901412.3 -31.1 2446525.5 -41.6		۔ ت ت	OTHER FOR	- PECD - NO ES
6435. 4.2 -4.1 1027. 4.2 -4.1 12263. 4 -19.0 143523.1 -23.7 165996.8 -26.4 1901412.3 -31.1 2446525.5 -41.0		27.	20913	12,3
8435. 4.0 -4.1 10277. 4.2 -6.1 122654 -19.0 143523.1 -23.7 105996.8 -26.9 1901412.3 -31.1 2162418.5 -36.1		, in		10:0
10277. 4.2 -6.1 122654 -19.0 143523.1 -23.7 105996.8 -26.9 1901412.3 -31.1 2162418.5 -36.1 2446525.5 -41.0	T++-	37.		O • 1
122654 -19.0 143523.1 -23.7 10599n.8 -26.9 1901412.3 -31.1 2162418.5 -36.1 2446525.5		+/•	194.5	10.3
143523.1 -23.2 165996.8 -26.9 1901412.3 -31.1 2162418.5 -36.1 2446525.5 -41.6	-19•0	21.		
19599, -6.8 -26.4 [9014, -12.3 -31.] 21624, -18.5 -36.] 24465, -25.5 -41.6	-23.7	10.		€0. •0.
1901412.3 -31.] 2162418.5 -36.] 2446525.5 -41.0	-26.3	18:		5.00
2162418.5 -36.1 2446825.5 -41.0	-31.1	14.		h*62
2446525.6 -41.6	-36.1	19,		5.8 9
	-41.0	20.		50 C
-0.80+ 0.550×	-08.0	24.		0,50

JEODETIC COORDINATES 32.40175 LAT DEG 106.31232 LON DEG

-27.4 23.		-33.2 20.	-34.1 20.0	-39.0	-444.7	-49.8																						
-10.3	D . I . I .	15.4	-16,5	ئورڈ ≶ ۔	97457F	3.45	37.5	ជី: ដែក្	145.0	-50 en	4.4.2.6-	-58.6	±58°2	-50.7	-57.7	6.96-	7.00.	9.05-	5,03-	17.00.1	-61.6	0.1		, ,		1	;	
16563.2	17310.1	2.0900	15500.8	21445.5	3. 3.5.2	25101.0	27335.8	30121,5	30855.1	53014.4	54783.0	34370 B	294465	42207, 3	43250.6	9.775.44	453085			475		4971.	5.16,31	5.726	547.55	59415	ម្រាជាមនុស្ស	25.38.5
540.8	533.8	500.0	457.0	(* t) T t)	0.000	0.*0E0	351.4	C1010	0.000	271.	er Geografia	210.0	200 st	176.0	1:55.4	152.0	150.0	2000	138.0		10 to	120.00		37.	133		20.02	

51.37 FEET MSL	1215 HRS MST
STAILON ALTITUDE 4651.37 FEET MSL	38, 31 4510, NO. 31
STAII	20 APR. 3

SIGNIFICANT LEVEL UATA 1100180031

TABLE TO CON'T

GF ODE TIC COOKDINATES 32,40175 LAT DEG 106,31232 LOT DEG

REL. HUM. PERCENT										
TEMPERATURE AIM DEWPOINT BY SHEES CENTIGRADE	1,13,	2.5	ক•চ৫-	#50°¢	150.G	0.00°	*5207	2013	1.0 3-	-47.1
PRESSIRL GEUMLTNIC ACTUMB ILLOT NOSHER	5 + to 1850 - 17	5 66496 5	12 hEN73.9		43.800 B. 3.83		35.6 74037.3	30.00 000 000 000	25.6 62457.9	26 52848.7
PRESSUR	\$	58.	5,40€	S	e de	39	35	3	25	ณี

STATION ALITUDE 4 20 APR. al ASCENSION NO. 31	10DE 40	51+37 FEET WSL 1215 HRS MST	IT MSL MST		UPPLR AIR DAT 1100180051 LC-37	741A 51		GEODETIC 32.40 106.31	DETIC COONDINATES 32.40175 LAT DEG 106.31232 LON DEG
					il in				
GEURIE TRI	PRESSURE	TEMF	TEMPERATURE	REL.HUM.	DENSITY	SPEED UF		1.0	INUEX
ALIITUDE MSL FEET	MILLIBARS	AIN DEGREES	DEWPOINT CENTIGRADE	PERCENT	GM/CUB10 METER	SOUND KNOTS	DIRECTION DEGREES (114)	SPEED KNOTS	OF REFRACTION
4051.4	870.3	25.2	0	19.0	1022.9	673.b	200.0	7.0	1.000254
4500.0	864.5	ò	٠.٠	25,4	1024.3	0.899		•	1.000255
5000.	849.3	3D I	61	26.1	•	•	102.7	6.6	
0.005c		•	· [•	2/-2	•	6.499	7.47	11.	2000
50000 53000	804.8	10.0	† 0. m	29.6	974.2	063.0	188.0	11.0	1.000243
7.0007	790.5	12.7	0 • 17 -	•	961.2		•	0	-0005
7500.0	776.3	11.5	5.4-	•	944.1	657.9	200.5	0	• 0005
8000.	764.5	10.2	0.0	•	935.0	656.5	6	•	.0002
8500•0	5.847	9•8 •	ໍ້ເ	35.7	923.3	654.6	7 6	r	1.000225
9000	734.0	0 0 0	1	•	911.9	652.0	, ה ה	•	2000.
950000	70/08	V 10		•	•	9-049			•
1.0500.6	9.469	3			877.1	0.040	2000	• a	1.000512
11000.0	681.7	 			864.6	5 40		, 6	
11500.0	€ •86•3	ر. ا	SO. * (C) * 1	35.3	A53.5	643	2003	19.1	-
12000-6	650.2	9-1-	-16.7	30.6	801.1		(.5)	19.2	-
12500.0	645.	-2.6		25.0	828.2	1 79	Ô	55.6	1.000191
13000.0	631.5	្ត ភូមិ	-23:0	2013	A15,5		500.3	24.2	-
13500.0	617.5	ന- ന	0.00	(4) (7) (7)	8.008	639.	2,000	24.0	
C.000.00	0.770	대 (6 급 (in the second	٠ د د	5.00 L		61517	617	
145084	3,000	3,6,	N t	ှ (၁)	5.477	~	0.517	2 · · · · · · · · · · · · · · · · · · ·	
155000	570	17.7	1,000) o :	751.7	3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Σ - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	ν. Λ. ν.	
10000	562•0		ı a	(((((((((((((((((((740.6) M	1	24 · 3	.0001
10500.0	551.2	-10.1	-27.5	55.0	729.7	631.0	215.K	25.7	1000
17000.0	540.4	-10.7	\sim	21.3	_	631.2	215.8	27.0	.0001
17500-6	320 200 200 200 200 200 200 200 200 200		6°02-	့ (()	705.1	630.3	21.7	N 00	1.000160
C 00007	0.10		0.101	2 C	•	979	0.012	20.00	1000
1.00001		1 1	2 * * * * * * * * * * * * * * * * * * *	0.00	674.0	0 4 7 4 C	2.132	9.70	
19500.7	3.001	10.4	4 CC 2	0.0℃ 0.0℃	663.2	50 4 c 5	220.0	20.8	
<00002	いったとせ		-35.	20.7		v	258-6	26.1	.0001
20200·0	5.694	-19.3	-56.0	7.05	43.	~	S	26.7	1.000145
21000	424.0	120.8	-37.4	3.0%	34.	619.	\$	27.4	. 9001
21500.6	450.5	-22.3	-38.c	20.8	625.5	٠	227.3	28.2	1.000141
55000 v	-	-23,7	-35°E	 	10.	ŝ	ا د	28.5	• 0001
22500.0	36	5.501	•	21.6	90	9	•	28.2	00013
25000 c		ر ، د راه	•	3.1.2	•	\sim	5.8X.0	٠	0001
2.5005.2	• 1	200	5 - 6 7 -	ر د بر ک	587.3	501n	253.1	ġ.	1.000132

UPPER AIR DATA	1100180031	1.0-37	
	1104 ALTITUDE 4651+37 FFET 11SL	NAP. (1 1215 HRS 1.5)	

TES UEG UEG			Ö	7	Š	ij	ų.	o 1	ى ~) M	,	ō.	ಐ	9	at:	~	0 (ဆေ	با ھ	O 47	۰,-	i oʻ	۲-	Ģ	5 '	<u>ب</u>	~ 9	'n	ع -	::+	2	0	ות	r~	2	<i>2</i> 1	·) ·	· 0·
GEODETIC COOMDINATE 32.40175 LAT DE 106.31232 LON DE	INDEX	OF REFRACTION	1.000130	1.00012	1 • 00012	1.00012	1.00012	1.000119	1.000117	1.000113	1.000111	1.000109	1.000108	1.000106	1.000104	1.000102	1.000100		1.00009	000001	1.000091	690009 T	1.000087	1.000086	1.000008	1.000082	1.000001	7.0000.1 7.0000.1	1.000076	1.000074	1.000072	1 - 0000 70	1+000000		1.000000	1.0000 t	500000-1	00000000000000000000000000000000000000
5F ODE TE 32. 106.	4 1	SPEED KNOTS	31.0	32.8	34.3	35.6	36.2	36.6	0 / r	37.7	38.5	39.4	41.0	42.6	43.9	្រ. ស្នំ ស្ន	0.84 4.80 0.00	51.2	0000	00°00	,	64.3	66.0	67.5	4.69	71.4	75°99	77.8	79,1	5.0%	82.0	83.5	ල . මා	ت ا ا	رم. المراجعة	နှင့် (၂)	 	0 •
	WINU DATA	DIRECTION DEGREES(IN)	229.1	229.1	229.9	250.6	231.5	232.2	2,002	0.00	244.0	245,3	できなが	245.0	242+5	24.2.tc	242.7	ა. 	7. V.	3,000	D 4 10 10 0	24044	243.7	0.442	243.5	545.9	24.2	24120	241.7	242.5	545.6	243.0	545°	\$•&±₹	æ. 	541.	3 • 4 6 4 6 5	**************************************
DATA 31 CON*T	SPEED OF	SOUND	2.607	697.5	B•000	9-409	602.7	0.100	5991		50405	592.0	591.1	549∙5	2.886	586.9	585.5	584.2	3 4 7 5 3 3 4 7 5 3	501.0	5700	578•1	577.1	576.1	575.2	574.2	573.5	571.0	5.7053	570.9	571.1	570.0	570.4	570.0	50.4.4	5.545 5.545	7	577.7
UPPER AIR DATA 1100180031 LC-37 TGGLE TO CONY		6×7CUBIC MCTEP	578.0	562.9	559.8	550.8	542.0	533.5	5500	508.0	1.60t	6.064	482.7	9.474	90°09	457.5	ិ 6 555	ο " C to to	か。 200m 200m 200m 200m 200m 200m 200m 200	0 40 34 0 10 4	4004	4004	392.8	384 • 8	377.0	369.3	361.8	34.7.3		331.5	323.3	316.0	308.9	301.9	295.0	288.3		0.5.0 0.0 0
	REL. M. 33	PERCENT	ر د د	36.05	26.	20.4	20.	# # [+] # L	2*0*0																													
T 1:5L 1:5 (TEMPERATUPE	DEWPOINT CENTTERADE		;;*** ;;***	3.541	0.74-	-48.8	0.45.0 																														
1.37 FEET USL 215 HRS EST	TEST	AIR DEGREES	-26.7	5.64-	-31.2	-32.5	-33.8	2.5.5	30.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	₩. ₩.	-40.5	-111-3	- 113.C	2137.I	2 • C 3 •	2.95	27.5	7 p 0 i	りょうけん		-52.1	6.20.	-53,7	5 • ti S=	-95.2	6.5.9	-56.to	7 - XV	9.69.	⊅• ₽3−	7,837	₹7.80±5	ह. इ.स. १८	ca H Or C		ර • වේ •	٦.	y vo
STATION ALFITUDE 4651 20 Apr 1 Ascension 40, 31	PRESSUR	NILLIOAMS	405.7	397.2	388.8	380.5	372.4	704°t	0.000 0.000 0.000 0.000 0.000	341.0	334.5	320.1	310.0	311,	504.3	2997	N. 162	224.0	4.072	263.5	20 20 20 20 20 20 20 20 20 20 20 20 20 2	255.3	241.04	241.6	235.	230.0	224	ar Series	209.3	2887	194.5	195.7	୍ . ଅଧ୍ୟ	ફ) ન જે વ ન -		aj a B	 V	
STATION ALTI-	GEOMETR1.	ALTITUDE MSL FEET	24000+2	24500.7	2>000•∠	25500•n	20000-0	22500 • 0	27500.0	28000-0	28500∙ŋ	C-00062	29500.5	30000°	5050G	51000	0.500•0	0.00025	0.00000	4.5500.0	34600.0	34500	\$50000c	355000	ქიე ც 0•ი	5,500-0	9.00073 9.00073	5.000.3	30500	32000.	3.4900.65	J•000004	្រុកស្ត្រាក	~ * 338T*		* 05.0 Z 3		

ASCERDIO NO						70.	TOTAL DEG
	16 · Ot		TABLE 16 CC	1, N00		100.	100.31232 LUH DEG
GEUMETRIC	PRESSURE	INDI RATURE	REL.HIM. DENSITY	SPEED OF	"ING DATA	71	INCEX
ALTITUDE MSL FEET	MILLIBAKS	ATH DEKPOINT DEGRADE CENTIGRADE	PERCENT 6M/CUBIC MCTER	SOUND KNO1S	DIRECTION DEGREES (IN)	SPEEU K1:0TS	OF REFRACTION
44000.	160.5	1-1-1-1	25a.8	572.6	239.0	83.3	1.000058
9+500+F	150.7	-5,7.4	255.0		258.5	83.7	1.000056
41000.7	153.0	-£8•5	248.3		257∙0	84.1	1.000055
45500.7	149.3	-59.5	243.5	569.4	237.7	84.3	S
46000.	140.8	-60-1	234.3		237.8	83.6	1.000053
40580.0	134.8	0.041	233.0	568•1	258•1	70. 70.	1.000051
47500.0	135.5	0.0%	221 - 3		2.050	76.5	1.000049
48000.0	132.2	-60.5	210.6		241.4	72.9	1.000048
48500.D	129.0	-61.4	212.3		243.0	67.9	1.000047
0006h	125.9	-61.6	297.4		543.9	65.6	1.000046
ë•0U⊆64	122.9	-61.4	202.2		243.3	56.6	1.000045
50000¢	119.9	-6.1.47	197.5		242.1	51.2	1.000044
50500	11/•0	\$.	193.0		239.1	47.1	1 • 000043
51000.0	2°411	5.00 to 0.00 t	188.6		235.6	40.0	2 00000 · 1
6.00010	7 P	0.29	104.5 104.5		0.00X	0.25 0.45 0.45	1+00000
001100	- 00 T	7. * V	7 · 32 ·		# . DOX	30.00	0.00000.
52500.0	100°C	N	7.0.0		0.4820	0 (1 o	6500000
0.00000	10.00	0.000	6.171	1.000	2000	0.00	75.000001
4.000.00	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00°	2 - 4 G C		2.000	17.3	1,000037
0.00440	(Lab	6.8.1	160.2		22.1.0	16.6	1.000036
5.0000 5.0000 5.0000	95.7		10° 30° 10° 10° 10° 10° 10° 10° 10° 10° 10° 1		221,0	16.1	1.000034
55500.0	91.1	5. S. S.	151.2		754.6	20.3	1 - 000034
J+0004€	89.5	-63.5	140.2	564+3	227.0	7. 45	1.000033
50500.0	87.6	16 to 30	145.2		229•0	27.4	1.000032
5.00075	7. 7.	100 m	142.3		230.0	2000	1.000032
7.6000.4	06.0	າ ກຸ່າ ກຸ່າ	100.0	560.0	2335.4	0,00	1,000031
2.00487	200) (I) (I) (I) (I) (I) (I) (I) (I) (I) (I			7.44.0	25.4	0500001
540000	10°57	າ ທາ ວິດ ທີ່ 1	0 * 1 P * 1		5.55 C	2.15	5200001
20000	2.37	0 0	10 TO T		230.2	16.6	0.000001
60000e	() () ()	7.5	123.6		7.000		1.000028
~ * UDS00	74.2	O. #C.	119.1	-	250.7	4.9	1.000027
01000°	لا <u>*</u> * * * * * * * * * * * * * * * * * *	S. O	115.3		214.7	æ• 1	1.000026
01500.0	67.48	₩ • • • • • • • • • • • • • • • • • • •	112.6	56443	187.5	3.9	1.000025
62000.5	7 + 90	F. 6.5.	110.0	56.3.6	159.0	3.6	1.900024
67500.0		5.53.3	107.1	50403	150.	t.	1 • 1100025
ი • მშენი	; • ? : 3	©	103.9		161.	o .	1.000023
0.5569+6		No.	101.0	26:95	3.00 .	τ 	1.000022

STATION ALTITUDE 20 APR. 63 ASCENSION NO.	φ φ 3.1	51.37 FFET NSL 1214 HRS NST		UPPLR AIR DATA 1100180031 20197 17838 18 CONT	UATA 031 CON*T		JE ODE TIC 32.4 106.3	DETIC COORDINATES 32.40175 LAT GEG 106.51232 LON UEG
GEUNIE TRIC ALIITUDE MSL FEET	PRESSORE MILLIDARS	TEMPRATURE ATP DEMONING OF CREES NEW TORKNOW	PEL_BUM PERCENT	DENSITY CM/CURIC METEP	SPEEU OF SOUND KNOTS	MIND DAIA DIRECTION S DEGREES(IN) K	IA SPEED KMOTS	ATUEX OF REFIRECTION
64000343	€.*K\$	2.40		48.7	300.	€.•06	7.2	1.000022
04500cc	4 T D J	9474		4.06	56606	91.0	8.5	1.000021
0.00000	· ·	おくの母素		95.7	567.7	61.7	h. 6	1.000021
65500.0	20	J. (1) (1)		91.0	568.4	91°B	10.4	.0000
66000.n	3 • 3 · 3	0.64-		R. α. α.	570.1	એ• ા ઇ	1101	70000
66500.n	55.1	0.65-			5.40 1.40 1.40	6°16	11.9	10000
0.000ZQ	51.8	2.00°		٠	54843 5.634	92.0	12.5	•
0.00000	0 0 0 0	7.5		* 70 0 0	7.600	7.26	10.0	1.000018
O8500.0	40.5	138.00 0.00		78.3	570.7	2.73	14.3	
C*(0)069	47.	2.0		70.2	571.4	83•5	16.0	•
J*0046.a	9.04	2.75-		74.2	572.1	78+1	19.1	•
76.660•1	O • 17 17	6.95-		72.3	572.8	73.7	22.9	1.900016
7.00000	એ • €#	± + QS.		70.4	573.6	72.0	26.6	1.000016
7.0000		-56.3		60.7		74.5	29.5	•
7150944		7,041		67.1		77.2	32.5	1.000015
v•0007)		# 50°5		0.59 0.50		۲. نور	32.1	C10000 - 1
7.55.30.0		្រាស់ សំពុះ		63.9		J . T . C	31.0	1.000014
7366637		N		25.00		7) - E) 0 7	28.0	1.000014
0 • 0 0 0 m/2) () () () () () () () () () (0 (0) *** (0) *** (1)		000	0.070	115.5	9.7.	1.000013
74500.0		(A)		57.4		115.6	16.3	1.000013
7-603-6		-55-		55.9		117.7	15.1	1.000ü12
4 DUSTE	3436	55.5		9*115		107.7	15.6	1.000012
ŭ• 03902	4.0.5	2.2		•		†•1 6	19.0	1.000012
7,00807	3.5.0 3.5.0	(C) (C		52.0	2.625	61.5 	23.	1.000012
0.00.47	10 to	5.1		•) - TO	V - 400	1.0000.1
, 1000 t	,	کی ب در این در این ا		•		2.0) =	060011
0.00	, **. '} *	7 w		1 0 T		7 · (XX	30.00	1.00001
7,4160.6	F - 1	0.48*		46.4		82.5		1.000010
7,56,970	7- 20 00	9.0%+		• •		79.6	18.8	1.000010
81.1 BB+6	0.00	<u> </u>		43.8		Ö	17.2	.00001
3. 3. 3. S. a. c.	2,70	18 m		42.8		71.6	ć,	3 • 000010
6.51	0. 0.3 0.3	5.6		1.1.1		56.0	4	000000
0.080.0	€4.0°C			40.7				1.000009
Contraction of the Contraction o	r.i	\$ 45.8°		•	OH DAG			=
derest, o	2.12	- No.		38.7	584.1			1.000000

. 4051.37 FEET MSL 1215 HRS MST 31	T MSE.	Σ F.	MANDATORY LEVELS 110018n031 TABL 237	:VELS 51		GEODETIC COOKGINATES 32,40175 LAT DEG 106,31232 LON DEG
PRESSURE GLOPUTERITAL MILLIGAES FEET	John TENTIA	TENUL AIR DEGREFS U	TENCONACORE AIR COMPOINT DEGREES CERTIGRADE	KEL.MUM. PERCENT	#InD DATA DIRECTION SI DEGRÉES(TN) K	ATA SPEED KNOTS
P.50.	4975	: 5	ဘ ံ	20.	183•0	ω,
A0C.0	bhh5.	13.2	-3.5	. 0		
750.0	8433.	. ಬ ಿ	-5.6	3.0) e-4
700.n	10286.	5.9	-12.1	32.		18.6
ù•0 ⊊ 9	12235.	-5-7	-18.1	28·		20.8
U•009	14310.	æ. 5	-25.1	19•		20.2
550.0	16533.	-10.3	-27.4	25.		25.8
500.0	18922.	-15.4	-33.2	20.	223.7	28.0
U•0¢ħ	<15 00.	-22.3	-38.7	21.		E . ₩ . ₩
4000	5459B.	S-02-	4.44-	21.		34.2
350 r	273720	-37.8		i I		37.3
₹00°	59796.	Q. C. 9.				2***
250.0	34708.	-53°C				65.2
20g•	.50000	±555,2				81.8
175,0	42103	-59°7				85.3
120.0	65283°	450°F				84.2
125.0	、カナニカサ	-61 - €				£ 0 m 6
100∙0	53020	-63.ે				20.0
ບ•ບຄ	58005.	-67.B				0,37
70.07	66538-	7.63.				n,
J•09	o3756.	-61-8				7.1
50.6	5.70 Te	-59.t				ຄຸນ
2.0±	12126	-558			8.5°	(n)
3.0.	10801	5.55				22.4
25,0	0.74.24	11000				